

**Notice of Allowability**

Application No.

09/010,801

Examiner

Ella Colbert

Applicant(s)

HAMBURG ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 February 2005.
2. ☒ The allowed claim(s) is/are 1-7,9-25,27-37 and 39-47.
3. ☒ The drawings filed on 1/22/98 & 08/05/02 (fig. 2) are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other Amendments to claims 22 and 43.

### DETAILED ACTION

1. Claims 1-7, 9-25, 27-37, and 39-47 are pending in the communication of 02/28/05 entered as Supplemental Response.
2. The Restriction Requirement of 06/09/05 is hereby withdrawn.

### EXAMINER'S AMENDMENT

3. An Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to Applicants', and amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this Examiner's amendment was given in an e-mail communication by Ms. Tamara Fraizer, Esq. on 13 July 2005.

### In the claims

4. Claims 22 and 43 have been amended as follows:

Claim 22. A method enabling a user to control operation of a computer program application for creating and modifying a document, the method comprising:

Identifying for the user on a display device a set of states that the document has been in by operation of the application, each state being complete in itself in the sense that any earlier state in the set of states can be deleted without adverse affect on later document states;

and

enabling the user to designate any one of the identified states as a document state operand.

Claim 43. A computer program, residing on a computer- readable medium, comprising instructions for causing a computer to:

create and modify a document;

identify for a user on a display device a set of states that the document has been in by operation of the application, each state being complete in itself in the sense that any earlier state in the set of states can be deleted without adverse affect on later document states; and

enable the user to designate any one of the identified states.

#### **Reasons for Allowance**

5. Claims 1-7, 9-25, 27-37, and 39-47 are allowed.

The following is an Examiner's statement of reasons: The best prior art of record, Borovoy et al discloses changing the document from a state, a document history, and memory. Borovoy et al does not disclose the application maintaining in a memory the state history of a document, and interesting operation where the operation by the application changes the state of the document in response to a user command, capturing the state of the document as it is after the operation then adding the captured state to the state history of the document with earlier states in the state history of the document being deleted without any adverse effect on later document states, adding a changed document state to a state history, the changed document state being complete in itself with the older document states in the state history of the document being discarded without affect on the added document state, enabling a user to step backward and forward through the revised history, enabling the user to designate any one of the

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document states in the revised history, and identifying for a user on a display device a set of states that the document has been in by operation of the application. The Meng, Chii; Yasue, Motohiro; Imamiya, Atsumi; and Mao, Xiaoyang reference discloses some aspects history snapshots, user interfaces, Undo/redo, and history command but neither discloses or suggests the features of the application maintaining in a memory the state history of a document, and interesting operation where the operation by the application changes the state of the document in response to a user command, capturing the state of the document as it is after the operation then adding the captured state to the state history of the document with earlier states in the state history of the document being deleted without any adverse effect on later document states, adding a changed document state to a state history, the changed document state being complete in itself with the older document states in the state history of the document being discarded without affect on the added document state, enabling a user to step backward and forward through the revised history, enabling the user to designate any one of the document states in the revised history, and identifying for a user on a display device a set of states that the document has been in by operation of the application. An extensive search of the applicable prior art was done but showed no better references.

Pertinent Prior Art: EPO 0249089; 05/26/87; Croes et al; "Word Processing System".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Inquiries***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ella Colbert whose telephone number is 571-272-6741. The examiner can normally be reached on Monday-Thursday, 6:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent Millin can be reached on 571-272-6747. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
E. Colbert  
July 19, 2005